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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,089	11/14/2003	Kuang Yang	TOP 342	8213
23995	7590	01/17/2007		
RABIN & Berdo, PC 1101 14TH STREET, NW SUITE 500 WASHINGTON, DC 20005			EXAMINER TRAN, PHILIP B	
			ART UNIT 2155	PAPER NUMBER

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/17/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/712,089	YANG, KUANG	
	<b>Examiner</b>	<b>Art Unit</b>	
	Philip B. Tran	2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 31 May 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Drawings***

1. The drawings are objected to because Figure No. 5 has a typo error on the name of the module (it should read "Object Management Module").

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 U.S.C. § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-20 are rejected under 35 U.S.C. § 102(b) as being anticipated by Blumenau et al (hereafter, Blumenau), U.S. Pat. Application Pub. No. US 2001/0020254 A1.

Regarding claim 1, Blumenau teaches an object management system (= managing access to storage devices in a storage system with access control) [see Abstract], comprising:

an object access interface to receive an access request from at least one entity, wherein the access request includes at least identification of the entity, a source port, object information and access content (= interfacing the hosts and the storage system for receiving requests to manage data accesses to the storage system) [see Figs. 1A-1C and Paragraphs [0044, 0098]];

a resource management module to assign a command handler to the access request (= identifying command requests) [see Paragraphs [0136-0137, 0167]];

an access management module to determine authority of the access request according to the identification and the source port (= determining authorization of access request) [see Abstract and Paragraphs [0010-0011, 0182]]; and

an object management module to perform a procedure corresponding to the access content on an object corresponding to the object information, wherein, when the object management module finishes the procedure, the command handler is released (= allowing data access and ending the process) [see Fig. 26 and Paragraph [0185]].

Regarding claim 2, Blumenau further teaches the system as claimed in claim 1 wherein, when the access request further includes a destination port and the access content further includes a write command, the object management module writes the object to the destination port according to the authority and the write command (= write command) [see Paragraphs [0177, 0182]].

Regarding claim 3, Blumenau further teaches the system as claimed in claim 2 wherein, when the access content further includes a permanent write command, the object management module further writes the object to an object storage according to the permanent write command (= write command) [see Paragraphs [0177, 0182]].

Regarding claim 4, Blumenau further teaches the system as claimed in claim 2 wherein the object management module further duplicates the object to a second object management module (= mirroring or copying data) [see Paragraphs [0062, 0123]].

Regarding claim 5, Blumenau further teaches the system as claimed in claim 1 wherein the access content includes a read command, and the object management module provides the object to the entity for reading according to the authority and the read command (= read command) [see paragraphs [0172, 0177, 0182]].

Regarding claim 6, Blumenau further teaches the system as claimed in claim 1 wherein the access content includes a remove command, and the object management module removes the object according to the authority and the remove command (= remove command) [see Paragraphs [0140, 0152]].

Regarding claim 7, Blumenau further teaches the system as claimed in claim 6 wherein the object management module further notifies a second object management module to remove the object (= remove command) [see Paragraphs [0140, 0152]].

Regarding claim 8, Blumenau further teaches the system as claimed in claim 1 wherein the access content includes a retrieve command, and the object management module provides the object to the entity according to the authority and the retrieve command, and locks the object such that the object is not available for any other entity (= retrieve command) [see Paragraphs [0009-0011, 0065, 0182]].

Regarding claim 9, Blumenau further teaches the system as claimed in claim 8 wherein the object management module further releases the object after a preset time [see paragraphs [0079-0080]].

Claim 10 is rejected under the same rationale set forth above to claim 1.

Claim 11 is rejected under the same rationale set forth above to claim 2.

Claim 12 is rejected under the same rationale set forth above to claim 3.

Claim 13 is rejected under the same rationale set forth above to claim 4.

Claim 14 is rejected under the same rationale set forth above to claim 5.

Claim 15 is rejected under the same rationale set forth above to claim 6.

Claim 16 is rejected under the same rationale set forth above to claim 7.

Claim 17 is rejected under the same rationale set forth above to claim 8.

Claim 18 is rejected under the same rationale set forth above to claim 9.

Claim 19 is rejected under the same rationale set forth above to combination of claims 1-2.

Claim 20 is rejected under the same rationale set forth above to claim 3.

#### ***Other References Cited***

4. The following references cited by the examiner but not relied upon are considered pertinent to applicant's disclosure.

A) Kuwata et al, U.S. Pat. Application Pub. No. US 2003/0182285 A1.

B) Ohran, U.S. Pat. Application Pub. No. US 2001/0037371 A1.

C) Arai et al, U.S. Pat. No. 7,035,850.

D) Curran et al, U.S. Pat. No. 7,010,528.

E) Vahalia et al, U.S. Pat. No. 6,192,408.

F) Shatil et al, U.S. Pat. No. 6,728,840.

G) Wolff et al, U.S. Pat. No. 6,076,105.

5. A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS ACTION IS SET TO EXPIRE THREE MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION. FAILURE TO RESPOND WITHIN THE PERIOD FOR RESPONSE WILL CAUSE THE APPLICATION TO BECOME ABANDONED (35 U.S.C. § 133). EXTENSIONS OF TIME MAY BE OBTAINED UNDER THE PROVISIONS OF 37 CAR 1.136(A).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Tran whose telephone number is (571) 272-3991. The Group fax phone number is (571) 273-8300. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar, can be reached on (571) 272-4006.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Philip B. Tran  
Primary Examiner  
Art Unit 2155  
January 05, 2007